

IN THE CLAIMS

Please amend the claims as follows:

1-29. (Canceled without prejudice or disclaimer)

30. (Previously Amended) In the cultivation of an agricultural or horticultural plant in soil, the improvement comprising adding to said soil an amount of Yenomite effective to improve the growth or development of said plant, said plant comprising one or more plant seed, plant seedling, growing plant or mature plant.

31. (Currently amended) The cultivation of claim 30, said Yenomite comprising, as a major zeolitic component, phillipsite, and palagonite.

32. (Currently amended) An agricultural cultivation according to claim 30.

33. (Currently amended) A horticultural cultivation according to claim 30.

34. (Currently amended) The cultivation of claim 30 32, said yenomite comprising, as a major zeolitic component, phillipsite, and palagonite.

35. (Currently amended) The cultivation of claim 30 34, said yenomite comprising an agricultural plant.

36. (Currently amended) The cultivation of claim 30 34, said yenomite comprising a horticultural plant.

37. (Currently amended) The cultivation of claim 30, said Yenomite comprising one or more additional zeolites selected from the group consisting of faujasite and chabazite.

38. (Currently amended) The cultivation of claim 30, wherein said plant is a grass.

39. (Currently amended) The cultivation of claim 38, wherein said grass is a lawn  
~~Cultivating a lawn according to claim 38.~~

40. (Currently amended) The cultivation of claim 38, wherein said grass is a pasture  
~~Cultivating a pasture according to claim 38.~~

41. (Currently amended) The cultivation of claim 38, wherein said grass is a golf course  
~~Cultivating a grass component of a golf course according to claim 38.~~

42. (Currently amended) The cultivation of claim 38, wherein said grass is turfgrass.

43. (Currently amended) The cultivation of claim 30, wherein said plant is a ground-covering plant or an ornamental plant.

44. (Currently amended) The cultivation of claim 30 43, wherein said ornamental plant is a flower.

45. (Currently amended) The cultivation of claim 44, wherein said flower is one member selected from the group consisting of carnations, mums, golden pothos, impatiens, pansies, violets, begonias, gardenias, hydrangea, lilacs, sunflowers, orchids, pointsettia, phalenopsis, bromiliad, snapdragons, alstroemeria, gerbera daisies and other daisies, freesia, liatris, antherum, delphinium, roses, lilies, irises, daffodils, hyacinths and tulips.

46. (Currently amended) The cultivation of claim 30, wherein said plant is a vegetable plant selected from the group consisting of asparagus, beans, beets, bell peppers, broccoli, cabbage, cantaloupe, carrot, cauliflower, celery, collard, cucumbers, pickles, eggplant, fennel, garlic, honeydew melon, kohlrabi, lettuce, leek, muskmelon, mustard green, onion, green onion, okra, pea, pepper (*Capsicum* spp.), potato, pumpkin, radish, spinach, squash, sweet corn, sweet potato, tomato, turnip, watermelon, yam, and zucchini plants.

47. (Currently amended) The cultivation of claim 30, wherein said plant is an herb a shrub, a succulent or a fern.

48. (Currently amended) The cultivation of claim 30, where said plant is a vine.

49. (Currently amended) The cultivation of claim 48, wherein said vine is a grape or kiwi vine.

50. (Currently amended) The cultivation of claim 30, wherein said plant is a tree.

51. (Currently amended) The cultivation of claim 50, wherein said tree is a fruit tree selected from the group consisting of apple, apricot, avocado, banana, cherry, coconut, grape, grapefruit, lemon, lime, nectarine, olive, orange, peach, pear, plum, prune, tangelo, and tangerine, and kiwi trees.

52. (Currently amended) The cultivation of claim 30, wherein said plant is barley, corn (maize), emmer, oats, rice (*Oryza* spp.), rye, sorghum, spelt, triticale, wheat, or wild rice (*Zizania* spp.).

53. (Currently amended) The cultivation of claim 30, wherein said plant is a pulse crop selected from the group consisting of soybean, dry bean, lentil, lupin, and pea plants.

54. (Currently amended) The cultivation of claim 30, wherein said plant is a berry plant selected from the group consisting of cranberry, blackberry, blueberry, boysenberry, gooseberry, raspberry, and strawberry plants.

55. (Currently amended) The cultivation of claim 30, wherein said plant is a nut-bearing plant selected from the group consisting of almond, cashew, hazelnut, pecan, and walnut plants.

56. (Currently amended) The cultivation of claim 30, wherein said plant is an oil-producing plant selected from the group consisting of canola, cranbe, cottonseed, flax, mustard, peanut, rape, safflower, and sunflower plants.

57. (Currently amended) The cultivation of claim 30, wherein said plant is one member selected from the group consisting of cotton, pineapple, sugarcane, sugarbeet, tobacco, and hemp plants.

58. (Currently amended) The cultivation of claim 30, said Yenomite further comprising one or more members selected from the group consisting of smectite and calcite.

59. (Currently amended) The cultivation of claim 30, said Yenomite further comprising one or more micronutrient, fertilizer, pesticide, herbicide, or fungicide.

60. (Currently amended) The cultivation of claim 59, wherein said micronutrient is one or more member selected from the group consisting of boron, copper, iron, manganese, molybdenum, and zinc ions.

61. (Previously presented) A method for reducing the release of fertilizers used in growing agricultural or horticultural plants into the environment comprising adding to the soil in which said plants are grown an amount of Yenomite effective to reduce fertilizer release in the environment.

62. (Previously presented) The method of claim 61 comprising growing an agricultural plant.

63. (Previously presented) The method of claim 61 comprising growing a horticultural plant.

64. (Previously presented) The method of claim 61 wherein said plant comprises a grass.

65. (Previously presented) The method of claim 61 comprising growing a lawn, a pasture, or a golf course.

66. (Previously presented) The method of claim 64 wherein said grass is turfgrass.

67. (Previously presented) A method for improving the efficiency of water used in growing agricultural or horticultural plants comprising adding to the soil in which said plants are grown an amount of Yenomite effective to improve said water utilization.

68. (Previously presented) The method of claim 67 comprising growing an agricultural plant.

69. (Previously presented) The method of claim 67 comprising growing a horticultural plant.

70. (Previously presented) The method of claim 67 wherein said plant comprises a grass.

71. (Previously presented) The method of claim 67 comprising growing a lawn, a pasture, or a golf course.

72. (Previously presented) The method of claim 70 wherein said grass is turfgrass.